

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A honing method grinding an inner surface of a cylinder of a workpiece carried on a machining line by rotating a honing head having hones while axially moving the honing head, comprising the steps of:

grinding the inner surface of the cylinder of the workpiece on a coarse honing section, leaving the cylinder on an idling section for a predetermined time without inserting the honing head into the cylinder, and

grinding the inner surface of the cylinder of the workpiece on a finishing honing section,

wherein the honing head on the coarse honing section is rotated in a reverse direction to a rotational direction of the honing head on the finishing honing section, thereby grinding the inner surface of the cylinder of the workpiece; **and**

wherein a coolant is supplied to the workpiece on the idling section.

2. (Cancelled)

3. (Currently Amended) The honing method according to claim **[[2]] 1**, wherein the coolant is set equal in temperature to coolants used on the coarse honing section and the finishing honing section.

4. (Original) The honing method according to claim 1, wherein time for which the workpiece is left as it is on the idling section is at least 30 seconds.

5. (Cancelled)

6. (Original) The honing method according to claim 3, wherein time for which the workpiece is left as it is on the idling section is at least 30 seconds.

7. (Currently Amended) A honing apparatus **for** grinding an inner surface of a cylinder of a workpiece that is carried on a machining line by rotating a honing head having hones while axially moving the honing head, the honing apparatus comprising:

a section ~~of~~ **adapted for** a coarse honing step and a section ~~of~~ **adapted for** a finishing honing step provided on the machining line; and

a section ~~of~~ **adapted for** an idling step for leaving the workpiece, which has been subjected to the coarse honing step, as it is for a predetermined time without inserting the honing head into the cylinder,

wherein the idling section is provided between the coarse honing step section and the finishing honing step section[;],

wherein the apparatus is adapted to supply coolant to the workpiece on the idling section, and

wherein **the apparatus is further adapted so that a** rotational direction of the honing head in the finishing honing step is reverse to a rotational direction of the honing head in the coarse honing step.

8. (Currently Amended) A honing apparatus for grinding an inner surface of a cylinder of a workpiece carried on a machining line by rotating a honing head having hones while axially moving the honing head, the honing apparatus comprising:

a coarse honing means for grinding the inner surface of the cylinder of the workpiece on the machining line;

a finishing honing means for grinding the inner surface of the cylinder of the workpiece on the machining line; and

an idling means on the machining line for leaving the workpiece which has been subjected to the coarse honing step, as it is for a predetermined time without inserting the honing head into the cylinder,

wherein the idling means is provided between the coarse honing means and the finishing **honing** means;

wherein the apparatus includes coolant means to supply coolant to the workpiece on the idling means; and

wherein **the apparatus is further adapted so that** a rotational direction of the honing head in the finishing honing means is reverse to a rotational direction of the honing head in the coarse honing means.

9. (New) The honing apparatus according to claim 7, wherein the apparatus is adapted to set the coolant equal in temperature to coolants used in the coarse honing step section and the finishing honing step section.

10. (New) The honing apparatus according to claim 8, wherein the apparatus is adapted to set the coolant equal in temperature to coolants used in the coarse honing step means and the finishing honing step means.

11. (New) The honing method according to claim 1, wherein the workpiece is a cylinder block for an engine.